Title (en)
BIOMETRIC DEVICE, BIOMETRIC PROGRAM, AND BIOMETRIC METHOD

Title (de)
BIOMETRISCHE VORRICHTUNG, BIOMETRISCHES PROGRAMM UND BIOMETRISCHES VERFAHREN

Title (fr)
DISPOSITIF BIOMÉTRIQUE, PROGRAMME BIOMÉTRIQUE, ET PROCÉDÉ BIOMÉTRIQUE

Publication
EP 2555155 A1 20130206 (EN)

Application
EP 10848879 A 20100329

Priority
JP 2010055519 W 20100329

Abstract (en)
A biometric authentication device that authenticates a user using biological features of the user, includes: an illumination unit configured to illuminate a target which represents the biological features; an image sensor configured to obtain a first captured image by capturing the target illuminated by the illumination unit, and obtain a second captured image by capturing the target not illuminated by the illumination unit; an acquisition unit configured to acquire from a storage unit a mask which has a target area approximating the shape of the target in the first and second captured images obtained by the image sensor; and a detection unit configured to detect light other than illumination light illuminated by the illumination unit based on the mask acquired by the acquisition unit and at least one of the first and second images.

IPC 8 full level
G06T 1/00 (2006.01); G06V 10/25 (2022.01); A61B 5/117 (2016.01); A61B 5/1171 (2016.01); G06T 7/00 (2017.01); G06V 40/145 (2022.01)

CPC (source: EP US)
G06V 10/141 (2022.01 - EP); G06V 10/25 (2022.01 - EP US); G06V 40/1388 (2022.01 - EP); G06V 40/145 (2022.01 - US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2555155 A1 20130206; EP 2555155 A4 20170315; JP 5561361 B2 20140730; JP WO2011121697 A1 20130704; US 2013011015 A1 20130110; US 8977009 B2 20150310; WO 2011121697 A1 20111006

DOCDB simple family (application)
EP 10848879 A 20100329; JP 2010055519 W 20100329; JP 2012507927 A 20100329; US 201213614270 A 20120913